
2. Goodbye

Program Name: Goodbye.java

Input File: goodbye.dat

As this is the last contest of UIL 2014, we want to bid you goodbye. So, given a list of strings tell us how many “goodbye”s are present in each string.

Note: “goodbye”s are case insensitive.

Input

The first line will contain the number of test cases T.

Each test case contains one string, on its own line.

Output

Output a single integer containing the number of “goodbye”s in the string.

Constraints

$1 \leq T \leq 10$

$1 \leq \text{Length}(\text{String}) \leq 1000$

Example Input File

2

Googooogoodbyeogooogoo

GoodbyegoodByegooby

Example Output to Screen

1

2

Explanation of the example

In the first case, only one goodbye is found: Googooogoodbyeogooogoo, so the answer is 1.

In the second case, there are two different goodbyes: (Goodbye)goodByegooby and Goodbye(goodBye)gooby, so the answer is 2.